

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P683961

Luminaire Tested: **LX6C120D010 EX6C1209035 6LBMH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P683961  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C120D010 EX6C1209035 6LBMH  
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

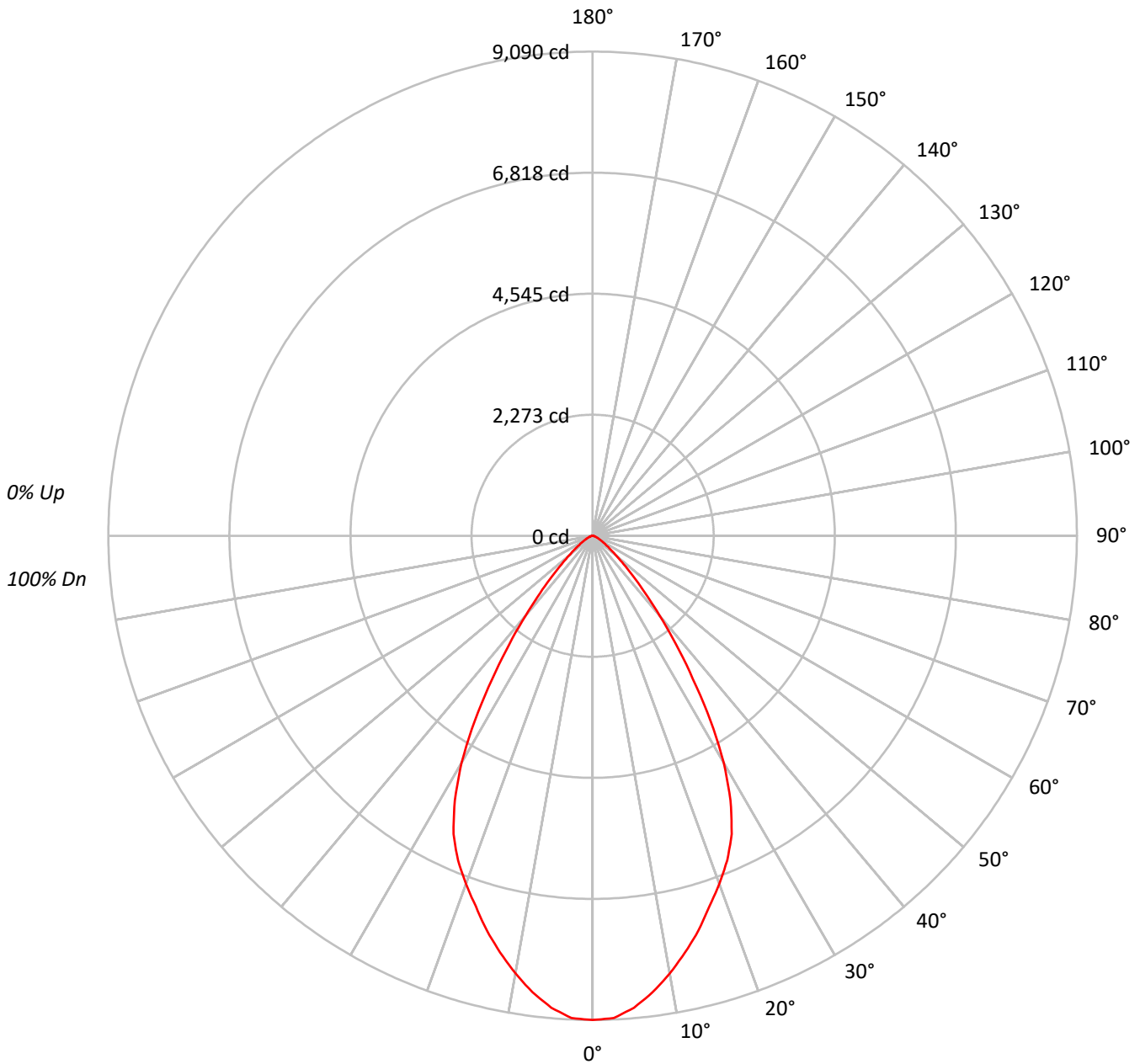
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9184.9 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 142.3  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92																			
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72																			
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53																			
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49																			
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	498315
5°	489395
10°	464387
15°	435474
20°	405557
25°	373685
30°	311364
35°	219454
40°	139862
45°	83404
50°	49227
55°	31320
60°	21566
65°	15306
70°	10531
75°	8324
80°	4072
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	831.1	9.0
10°-20°	2150.1	23.4
20°-30°	2785.9	30.3
30°-40°	2068.3	22.5
40°-50°	873.2	9.5
50°-60°	310.0	3.4
60°-70°	119.6	1.3
70°-80°	41.4	0.5
80°-90°	5.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5767.2	62.8
0°-40°	7835.5	85.3
0°-60°	9018.6	98.2
0°-90°	9184.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9184.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9090	
5°	8893	831
15°	7673	2150
25°	6178	2786
35°	3279	2068
45°	1076	873
55°	328	310
65°	118	120
75°	39	41
85°	0	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9090.0
2.5°	9063.6
5°	8893.3
7.5°	8643.7
10°	8342.4
12.5°	8014.2
15°	7673.0
17.5°	7293.0
20°	6951.8
22.5°	6597.7
25°	6177.9
27.5°	5600.6
30°	4918.8
32.5°	4118.4
35°	3279.2
37.5°	2571.0
40°	1954.4
42.5°	1455.8
45°	1075.8
47.5°	786.9
50°	577.2
52.5°	432.8
55°	327.7
57.5°	249.0
60°	196.7
62.5°	144.4
65°	118.0
67.5°	91.6
70°	65.7
72.5°	52.3
75°	39.3
77.5°	26.4
80°	12.9
82.5°	12.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)